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15 April 1958

**MEMORANDUM FOR:** Project Director

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**SUBJECT :** The Attached Study [ ] "A Method  
for the Determination of Relative Coordinates  
for Missile Target Location"

1. Some time ago the Ad Hoc Requirements Committee considered whether there should be requirements levied upon AQUATONE for collection relevant to geodetic control. At that time the Ad Hoc Requirements Committee gave a negative reply; this included the view of the Air Force.

2. Recently, as you may have noted from ARC Minutes and documents, the ARC has, at the instance of the Air Force, explored the question of use of AQUATONE to improve geodetic accuracy of control points.

3. As a result of my recent visit to AFCIN to review their existing TALENT billets and possible future needs, I learned that the targets organization is planning to request a number of billets in the order of [ ] in order to exploit TALENT materials for geodetic control purposes.

4. Experts among the ARC agencies are currently investigating existing TALENT materials for applicability to known geodetic control points in the USSR. Thereupon, they will recommend to the ARC control points not covered now but which need to be covered with the thought that flight planning may be able to cover some of these without deviation from highest or high priority targets.

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5. I have discussed the attached brochure with Mr. Lundahl. He has informed me that his present functional assignment does not include exploitation of photography for geodetic control purposes. The lens calibration efforts of his office with the office of Operations, while relevant to the improvement of geodetic accuracy, are essential to his own photogrammetric exploitation. Mr. Lundahl suggests that in their

USAF review(s) completed.

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examination of this proposal they take note of a possibility of a break-through in regard to camera mounting as applicable for geodetic control. He noted to me a number of other very essential areas of problems which would probably have to be solved to gain for AQUATONE a capability for precisely meeting geodetic control purposes.

6. Mr. Lundahl, of course, stands ready to advise in greater detail in the event for your own reasons you may wish to pursue the development of AQUATONE as a vehicle for meeting geodetic control data. Pending an indication of your wish in that direction, he sees no need to go further with the matter.

25X1A 7. Whereas we have no way of knowing to whom in the Air Force [ ] has sent this study, I would propose that I turn this over to AFCIN inasmuch as it may be of interest to them.

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[ ]  
JAMES Q. REBER  
CIA TALENT Control Officer

**Attachment**

- 1-Project Director w/att
- 2-Cf HTA w/o att
- 3-file
- 4-chrono

JQR:cw

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# MISSING PAGE

ORIGINAL DOCUMENT MISSING PAGE(S):

Attachment